

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/005653

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ B66B5/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ B66B5/00-5/28Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005
Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2001-354372 A (Mitsubishi Electric Corp.), 25 December, 2001 (25.12.01), Par. Nos. [0040] to [0041], [0047] to [0049]; Figs. 1 to 6 (Family: none)	1-2
Y	JP 2003-104648 A (Mitsubishi Electric Corp.), 09 April, 2003 (09.04.03), Par. Nos. [0027] to [0029]; Figs. 7 to 10 Par. Nos. [0018] to [0021] & WO 03/029123 A1 & EP 1431229 A1 & US 2004/0200671 A1	3-4 5-10
Y	JP 10-109842 A (Hitachi, Ltd.), 28 April, 1998 (28.04.98), Par. Nos. [0007] to [0008] (Family: none)	2 3 4

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

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"E" earlier application or patent but published on or after the international filing date

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Date of the actual completion of the international search
19 January, 2005 (19.01.05)Date of mailing of the international search report
08 February, 2005 (08.02.05)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Telephone No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 9-2756 A (Otis Elevator Co.), 07 January, 1997 (07.01.97), Par. No. [0058] & ZA 9603199 A & CA 2175432 A1 & EP 0748758 A1 & AU 5212096 A & CN 1142462 A & US 5617933 A & BR 9602115 A	5-10
A	JP 2001-122549 A (Hitachi, Ltd.), 08 May, 2001 (08.05.01), Par. No. [0025] (Family: none)	5-7, 9
A	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 123955/1981 (Laid-open No. 29754/1983) (Hitachi Metals, Ltd.), 26 February, 1983 (26.02.83), Claims (Family: none)	5
A	JP 2002-179353 A (Hitachi, Ltd.), 26 June, 2002 (26.06.02), Par. Nos. [0013] to [0019]; Fig. 1 (Family: none)	6, 9
A	JP 52-123052 A (Mitsubishi Electric Corp.), 15 October, 1977 (15.10.77), Page 2, lower left column, line 20 to lower right column, line 16; Fig. 2 (Family: none)	7